

1940-1950 / M.S.
 FILIPPOVA, Mariya Filippovna, kand.geol.-miner.nauk; ARONOVA, S.M.; AFREMOVA,
 M.F.; GALAKTIONOVA, N.M.; GASSANOVA, I.G.; GIMPELEVICH, E.D.; KARASEV,
 M.S.; LYASHENKO, A.I.; MAYZEL', Z.L.; RATEYEV, M.A.; SOKOLOVA, L.I.;
 SOLOV'YEVA, N.S.; KHANIN, A.A.; SHISHENINA, Ye.P.; SHNEYDER, N.P.;
 BAKIROV, A.A., red.; VEBER, V.V., red.; DANOV, A.V., red.; DIKEN-
 SHTEYN, G.Kh., red.; MAKSIMOV, S.P., red.; POZNYSH, M.A., red.;
 SAIDOV, M.N., red.; SEMIKHATOVA, S.V., red.; TURKEL'TAUB, N.M., red.;
 UL'YANOV, A.V., red. [deceased]; KHALTURIN, D.S., red.; SHABAYEVA,
 Ye.A., red.; RAZINA, G.M., vedushchiy red.; GENNAD'YEVA, I.M., tekhn.
 red.

[Devonian deposits in the central provinces of the Russian Platform]
 Devonskie otlozheniia tsentral'nykh oblastei Russkoi platformy.
 Pod red. M.F.Filippovoi. Leningrad, Gos. nauchno-tekhn.izd-vo nef.
 i gorno-toplivnoi lit-ry, 1958. 404 p. (MIRA 11:4)
 (Russian Platform--Geology, Stratigraphic)

VESELOVSKAYA, M.M.; YELINA, L.M.; IL'INA, N.S.; KARASEV, M.S.; SOKOLOVA,
L.I.; FILIPPOVA, M.F.; FRUKHT, D.L., kurator

Alatyr key well. Trudy VNIGNI no.26:113-175 '60. (MIRA 14:1)
(Russian Platform--Petroleum geology)

GASSANOVA, I.G., kurator; YELINA, L.M.; IL'INA, N.S.; KARASEV, M.S.;
PEDASHENKO, A.I. [deceased]; FILIPPOVA, M.F. KHOKHLOV, P.S.

Kikino key well. Trudy VNIGNI no.26:227-307 '60. (MIRA 14:1)
(Russian Platform--Petroleum geology)

KARASEV, M.S.

Recent data on the paleogeography of southwestern Primorye
during the deposition of the Suyfun series. Dokl. AN SSSR 144
no.5:1119-1122 Je '62. (MIRA 15:6)

1. Geologicheskii institut Dal'nevostochnogo filiala Sibirskogo
otdeleniya AN SSSR. Predstavleno akademikom A.L.Yanshinym.
(Primorye--Paleogeography)

KARASEV, N., podpolkovnik

Training mines explode. Starsh.-serzh. no.1:35 Ja '61. (MIRA 14:7:
(Mines, Military)

YELIZAROV, A.F., ordinator; KARASEV, N., student

Effect of mycerin on the flora of burns. Trudy Kuib. med. inst.
24:203-206 '63 (MIRA 17:4)

1. Iz kafedry obshchey khirurgii (zav. kafedroy - zasluzhennyy
deyatel' nauki RSFSR prof. S.P. Shilovtsev) Kuybyshevskogo medi-
tsinskogo instituta.

KARASEV, N. A.

N. A. KARASEV author of "Working Spiral Springs with a Small Shot Stream." XV. Natural Sciences, Math. 7. Technology of Metals. (Avtomob. Prom-St', 1948, No. 12, pages 15-18)
SO: Letopis' Zhurnal'nykh Statey, 1949, Item No. 3365, Unclassified

KARASEV, N.A.

Rivets

Use of steel wire shot for riveting parts. Avt. trakt. prom., No. 2, 1952.

Monthly List of Russian Accessions, Library of Congress, June 1952. Unclassified.

1. KARASEV, N. A.
2. USSR (600)
4. Metal Spraying
7. Reinforcing cutting tool by metal spraying. Stan. i instr. 23 no. 10 1952.

9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

KARASEV, N.A., ENG.

Steel

Distintegration of residual austenite in steels subjected to treatment with metal shots, Vest. mash., 32, no. 1, 1952.

Monthly List of Russian Accessions, Library of Congress, October 1952. UNCLASSIFIED.

KARASEV, N.A., ENG.

Steel - Testing

Strength of spring steel trademark 55S2 under action of water, Vest. mash., 32,
no. 5, 1952.

Monthly List of Russian Accessions, Library of Congress, October 1952. UNCLASSIFIED.

KARASEV, N. A.

Dissertation: "An Investigation of the Shot Peening of Automobile Parts." Cand Tech Sci,
Moscow Order of the Labor Red Banner Higher Technical School imeni N. E. Bauman, 2 Jul 54.
(Vechernyaya Moskva, Moscow, 23 Jun 54)

SO: SUM 318, 23 Dec 1954

KARASEV, N. A.

USSR/Miscellaneous - Technology

Card 1/1 : Pub. 12 - 8/12

Authors : Karasev, N. A., and Galkina, T. A.

Title : Increase in strength of auto semi-axles by stamping and shot-hardening

Periodical : Avt. trakt. prom. 4, insert, Apr 1954

Abstract : Data and illustrations, showing that stamping and shot-hardening increase the fatigue resistance of auto semi-axles produced of low-alloyed steel, are presented.

Institution : The Stalin Auto Plant, Moscow

Submitted :

KARASEV, N. A.

"Effect of Shot Peening on the Repeated-Impact Strength of Steel," Vestnik
Mashinostroyeniya 34 (1954) No 1, pp 66/68.

Translation B-79031, 22 Sep 54

KARASEV, N. A.

USSR/Engineering - Riveting

Card : 1/1

Authors : Karasev, N. A., Engineer

Title : Increasing the static stability and life of machine parts by "directed" riveting

Periodical : Vest. Mash., 34, Ed. 6, 68 - 73, June 1954

Abstract : "Directed" riveting is explained as riveting which is produced in the process of single-axis deformation of metal; for example, either extending or bending it. Details are given of extensive experiments conducted to obtain data. These data confirmed the theory that such riveting increases the strength of the material. Five Russian references, latest 1953. Graphs; illustrations; table.

Institution : ...

Submitted : ...

Translation B-82533, 2 Feb 55

KARASEV, N. A.

"Increasing endurance of motor-car parts by shot-peening" a paper presented at International Conference on Fatigue of Metals, London, Sep 56.

DSI. No.103

KARASEV, N.A.

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h-3 PHASE I BOOK EXPLOITATION

SOV/1501

Moscow, Vyssheye tekhnicheskoye uchilishche

Voprosy povysheniya dolgovechnosti tyazhelonagruzhennykh detaley mashin; sbornik statey (Problems of Increasing the Durability of Heavily Stressed Machine Parts; Collection of Articles) Moscow, Oborongiz, 1958. 94 p. (Series: Its: [Trudy] vyp. 78) 3,200 copies printed.

Ed. (Title page): E.A. Satelya, Honored Worker in Science and Technology, Doctor of Technical Sciences, Professor; Ed. (Inside book); L.A. Kats, Engineer; Ed. of Publishing House: E.A. Shekhtman; Tech. Ed.: I.M. Zudakin; Managing Ed.: A.S. Zaymovskaya, Engineer.

PURPOSE: This book is intended for scientists, engineers, manufacturing personnel, and instructors and students of vtuzes.

COVERAGE: This is a collection of articles dealing with the following subjects: effect of surface coatings on the dynamic strength of

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Problems of Increasing the Durability (Cont.) SOV/1501

parts, surface hardening of parts by coining, effect of metal-working methods on the press-fit connection of parts, cutting of deep, accurate holes, and testing of metals under conditions of high abrasive wear. A brief annotation of each article is given in the Table of Contents. No personalities are mentioned. Bibliographic references are appended to some of the articles.

TABLE OF CONTENTS:

Foreword

3

Kiselev, G.A., Candidate of Technical Sciences, Docent. Effect of Coatings on the Endurance Limit of Parts
Effect of surface coatings on the dynamic strength of parts subjected to impact loads is investigated. The test method is described and a method of surface hardening of such parts is proposed.

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- Problems of Increasing the Durability (Cont.) SOV/1501
- .Kiselev, G.A., Candidate of Technical Sciences, Docent. Effect
of Coatings on the Formation of Cracks in Stressed Parts 26
Causes of crack formation in coated stressed parts are
investigated and a test method and measures for preventing
crack formation are then established.
- Burnashev, A.A., Engineer. Effectiveness of Hardening by the
Coining Process 39
Various machines for surface hardening of alloyed-steel parts
by coining are described.
- Karasev, N.A., Candidate of Technical Sciences, Docent. Combination
Method of Hardening Machine Parts With Simultaneous Production 47
of Their Weight
Effect of elastic or elastoplastic deformation (strengthening)
of elastic machine elements and the combination of cold-
working with thermal and thermo-chemical treatment of parts
- Card 3/5

Problems of Increasing the Durability (Cont.) SOV/1501

are investigated. Shot-peening method of hardening is also analyzed.

[No author given] Increase in Operating Characteristics and Life of Helical and Laminated Springs 50
Various factors influencing the life of helical and laminated springs are investigated and methods of hardening spring materials are discussed.

Voronin, M.I., Candidate of Technical Sciences, Docent. Investigation of the Effect of Machining Methods and Disconnection of Press-fitted Parts on Their Suitability for Reusing 55
Effect of various machining methods on the quality of hot press-fit-connections of parts made from alloyed steels is investigated and recommendations for selecting suitable methods of machining are given.

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' Problems of Increasing the Durability (Cont.) SOV/1501

. Saksel'tsev, V.G. Effect of Various Methods of Machining Holes
With Large Length to Diameter Ratio on the Wear Resistance
Various methods of cutting accurate, deep holes used in
hydraulic instrument machining which improve their resistance
to wear are discussed.

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AVAILABLE: Library of Congress

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Card 5/5

KARASEV, N.A., kand.tekhn.nauk, dotsent.

Over-all strengthening of machine parts with simultaneous decreasing
of their weight. [Trudy] MVTU no.78:47-50 '58. (MIRA 11:10)
(Hard facing)

KARASEV, N.A.; DENSHCHIK, N.M.

Use of two-row rolling heads for the finishing of cylinders. Avt.-
prom. no.9:36 S '61. (MIRA 14:9)

1. Timiryazevskaya sel'skokhozyaystvennaya akademiya.
(Metals--Finishing)

KARASEV, N.A.; DENSHCHIK, N.M.

Microgeometry of the surface due to rotary burnishing. Trudy
Sem.po kach.poverkh. no.5:375-385 '61. (MIRA 15:10)
(Metalwork)

S/121/62/000/004/008
D040/D113

1-1100

AUTHOR: Karasev, N.A.

TITLE: Designs of tools for fine plastic deformation

PERIODICAL: Stanki i instrument, no. 4, 1962, 31-33

TEXT: The article contains a general theoretical discussion of existing ball and roller-type tools for internal and external burnishing, and a description of a new range of two-row roller-burnishing tools (Fig. 2) developed and produced by the Department of Metal Technology at the Moskovskaya sel'skokhozyaystvennaya akademiya (Moscow Academy of Agriculture) in cooperation with two plants. The theoretical part includes calculations showing that the efficiency of tools with nonrotating separators is higher than that of tools with rotary separators, and that the burnishing rate can be raised by using tools of higher module. It is stated that the optimum diameter of burnishing rollers is between 8 and 15 mm, and that more rollers in a tool must be used, since this results in reduced elastic deformation of the workpiece, better accuracy of dimensions, and a higher work rate. In the new type of tool (Fig. 2) with two rows of

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Designs of tools for fine plastic deformation

S/121/62/000/004/004/008
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rollers and rotary separators, the rollers (1) of the second row finish the workpiece surface to the final dimension, and the support cones (2) of this row have independent radial motion. The axial motion of the rollers is produced differently for internal and external burnishing, i.e. the key (3), tube (4), rod (5) and nuts (6) for internal (Fig. 2, a) and the cone (3) and shell (4) for external burnishing. The use of two-row tools improved the surface finish from 5th to 11th class, and reduced the geometric inaccuracy (ovality, taper, etc.). There are 4 figures and 2 tables.

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50

KARASEV, N. A., kand. tekhn. nauk; DENSHCHIK, N. M.; SAL'NIKOV, A. G.

New design of roller-type burnishing heads. Avt. prom. 28
no.6:34-37 Je '62. (MIRA 16:4)

1. Timiryazevskaya sel'skokhozyaystvennaya akademiya i
Moskovskiy avtozavod imeni Likhacheva.

(Machine tools—Attachments)

KARASEV, N.A., kand.tekhn.nauk; DENSHCHIK, N.M.

-- Geometrical parameters of deforming rollers in burnishing heads.
Avt.prom. 29 no.3:36-39 Mr '63. (MIRA 16:3)

1. Moskovskaya ordana Lenina sel'skokhozyaystvennaya akademiya
im. K.A.Timiryazeva.

(Grinding and polishing)

KARASEV, N.A.; BOGOSLOVSKIY, I.D.; KOSTOGONOV, V.G.; LARKIN, F.R.; MOROZOV,
V.I.; SERGIYEVSKIY, A.Ya.

Effect of shot peening on the properties of a nitrogen case-
hardened layer. Metalloved. i term.obr.met. no.10:12-16 0
'65. (MIRA 18:11)

1. Moskovskiy institut radioelektroniki.

L 41226-65 EWT(m)/EWP(w)/EWA(d)/T/WP(t)/EWP(z)/EWP(b) HJW/JD
 ACCESSION NR: AR5003992 S/0277/64/000/010/0009/0009

SOURCE: Ref. zh. Mashinostroitel'nyye materialy, konstruktiv i
 raschet detaley mashin. Gidropriwod. Otd. vyp., Abs. 10.48.55

AUTHOR: Karasev, N. A.; Morozov, V. I.; Orlov, I. V.

TITLE: The effect of surface hardening on the mechanical properties
 of nitrided case hardened steel 25KhGM

CITED SOURCE: Dokl. Mosk. s.-kh. akad. im. K. A. Timiryazeva, vyp.
 96, 1964, 155-162

TOPIC TAGS: steel hardening, case hardening, surface hardening,
 metal mechanical property, microhardness, metal hardness,
 nitriding/ steel 25KhGM

TRANSLATION: The parameters of the mechanical characteristics in
 nitrided case hardened layers of steel 25KhGM were investigated
 before and after surface hardening on special flat samples which did
 not have sharply marked concentrations of stresses. The thickness of
 the samples, the multiple depth of the martensite layer, was 2.5,

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literature titles.

ENCL: 00

Card 2/2

KARASEV, N.A.; MOROZOV, V.I.; VARCHAK, N.M.

Determination of residual stresses with recalculation of the tensio-
meter readings by an electronic computer. Zav. lab. 31 no.9:1133-1135
'65. (MIRA 18:10)

1. Moskovskiy institut radioelektroniki i gornoy elektromekhaniki.

KARASEV, N.A.; MOROZOV, V.I.

Calibration of a test stand in repeated impact testing. Zav.
lab. 31 no.11:1402 '65. (MIRA 19:1)

1. Moskovskiy institut radioelektroniki i gornoy elektromekhaniki.

I. 22462-66 EWT(m)/EWP(w)/EWA(d)/T/EWP(t) IEP(c) JD/EM

ACC NR: AP6013576

SOURCE CODE: UR/0032/65/031/009/1133/1135

AUTHOR: Karasev, N. A.; Morozov, V. I.; Varchak, N. M.

ORG: Moscow Institute of Radio Electronics and Mining Electromechanics
(Moskovskiy institut radioelektroniki i gornoy elektromekhaniki)

TITLE: Determination of residual stresses with computer calculation of strain gage readings

SOURCE: Zavodskaya laboratoriya, v. 31, no. 9, 1965, 1133-1135

TOPIC TAGS: computer calculation, stress analysis, strain gage, galvanometer, steel, tensile stress, metal hardening

ABSTRACT: A method is described which allows continuous recording of the changing readings of a galvanometer and from them the establishment of values of residual stresses associated with the change in deformation of specimens under strain. It is shown that use of an "Era" computer substantially increases accuracy of the determination and accelerates processing of experimental data when their distribution is sufficiently dense. The plane stressed state of carbonitrided and shot-peened specimens measuring 75 X 20 X 2.5 mm made of 25KhGM steel was investigated.

The changes of the values of the residual stresses, obtained during etching of carbonitrided and quenched specimens are presented. When the carbonitrided layer is 0.9 mm deep in the surface layer the tensile stresses

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recorded are on the order of 20 KG/mm². With steel-shot hardening the tensile stresses change into compressive stresses; when hardened for 1 minute at a shot velocity of 53.5 m/sec their value rose to 40 KG/mm². When the rate was increased to 78.5 m/sec the stresses were increased to 75 KG/mm². Orig. art. has: 2 figures, 6 formulas, and 1 table. [JPRS]

SUB CODE: 11, 20, 13, 09 / SUBM DATE: none / ORIG REF: 003

Card 2/2 BK

1. 0077-66 3. (m)/E. 191
ACC NR: AT6012692

20-2

SOURCE CODE: UR/3136/65/000/991/0001/0044

AUTHOR: Goncharov, V. V.; Babulevich, Ye. N.; Shavrov, P. I.; Ryzantsev, Ye. P.
Novikov, I. M.; Yegorenkov, P. M.; Chervyatsov, A. A.; Frolov, I. P.; Zhigachev,
V. M.; Pushnin, B. T.; Fischevskiy, V. K.; Zakharov, L. K.; Kruglov, A. B.; Karasev,
N. A.; Goncharov, L. A.

ORG: State Committee on the Use of Atomic Energy SSSR, Institute of Atomic Energy
im. I. V. Kurchatov, Moscow (Gosudarstvennyy komitet po ispol'zovaniyu atomnoy
energii SSSR, Institut atomnoy energii)

TITLE: Experience in operation of the MR reactor and tests of fuel elements and materials

SOURCE: Moscow. Institut atomnoy energii. Doklady, no. 991, 1965. Opyt eks-
plautatsii reaktora MR i provedeniye ispytaniy TVEL i materialov, 1-44

TOPIC TAGS: nuclear research reactor, reactor fuel element, nuclear reactor
material, nuclear reactor characteristic

ABSTRACT: The authors discuss the loop research reactor MR constructed at the
Kurchatov Institute of Atomic Energy and intended for the test of fuel elements
and materials in new atomic installations. It is described in paper P/323 of the
Third Geneva Conference in 1964. The present article describes in detail its con-

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1. 39777-65
ACC NR: AT6012692

struction and the various test loops in it. The section headings are: I - Introduction. II. Operation of reactor. 1. Certain physical characteristics of the reactor. a) Fuel burnup. b) Efficiency of control valves, scram rods, and movable fuel assemblies. c) Fluxes of thermal and fast neutrons. 2. Control and protection system of the reactor. 3. Technological systems of the reactor. a) Cooling loop for fuel element assembly. b) Cooling loop for the reactor assembly blocks. c) Intermediate (second) cooling loop of reactor. d) Third cooling loop of reactor. e) Water purification system. 4. Fuel assembly operating conditions and conditions for the graphite stacking blocks. 5. Reloading operations. III. Operation of loop installations. Organization and performance of tests on fuel elements and materials. IV. Dosimetric control. Radiation shielding of reactor. The reactor has been in operation since 24 July 1964, and its power has been gradually increased from the initial 20 MW to 30 MW. The usual operation is at 25 MW. The reactor has 3 loop channels with 7 associated experimental channels. Various characteristics of the reactor at different power ratings are tabulated. Major contributions to the adjustment of the MR reactor were made by A. Ye. Alekseyev, B. A. Alekseyev, S. N. Begichev, A. B. Bugayenko, Yu. I. Kovalev, V. K. Lebedev, A. M. Rotankov, V. D. Rusov, N. V. Sarychev, Ye. S. Chernorotov, and Yu. A. Shikov. Orig. art. has: 13 figures and 6 tables.

SUB CODE: SUBM DATE: 00/ ORIG REF: 001

Card 2/2/772.2

KARASEV, N.F., inzhener.

Experience with building open-line tunnels having an opening along
the entire route. Transp.stroi. 6 no.9:9-11 S '56. (MLRA 9:11)
(Tunneling)

KARASEV, N.F., inzhener.

Constructing escalator tunnels. Transp. stroi. 7 no.3:18-21 Mr '57.
(Tunneling) (MLRA 10:6)

Karasev, N.P.
KARASEV, N.P.

Manufacturing precast reinforced concrete foundations for escalators.
Transp.stroi. 7 no.6:15-17 Je '57. (MIRA 10:11)
(Escalators) (Moscow--Subways)

KARASNY, N.F.

KARASNY, N.F., inzh.

The tunneling of the Moscow subway by means of a mechanized heading
machine. Mekh. trud, rab. 11 no.10:29-31 0 '57. (MIRA 10:11)
(Moscow--Subways) (Tunneling)

KARASEV, N.F.

AUTHOR: Karasev, N.F., Engineer 118-58-5-7/18

TITLE: The Drifting of a Tunnel Under Compressed Air (Prokhodka
tonnelya pod szhatym vozdukhom)

PERIODICAL: Mekhanizatsiya Trudoyemkikh i Tyazhelykh Rabot, 1958¹² Nr 5,
pp 25 - 27 (USSR)

ABSTRACT: For the first time, tunnel drifting was accomplished under compressed air and with complex mechanization when a deep tunnel was drifted in the Arbat sector of the Moscow subway (Drawing Nr 1). A part of the tunnel drifted by a shield was laid in a stratum of limestone with washouts filled with quick sands. For the jacketing of the tunnel, cast iron rings with an outer diameter of 6 m were used. Considerable speed in drifting was attained through a device which was installed on the upper horizontal partition. Work could thus be done simultaneously in the 5 upper and the medium cells of the shield (Drawing 2). The total stress of the 22 jacks was 2,000 tons. The loading of rocks by the machine PML-5 was also new in this type work. In some shifts the efficiency of the machine was 18 cubic meters per hour. The haulage

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The Drifting of a Tunnel Under Compressed Air

118-58-5-7/18

of rocks and material was not done by the usual rope method but by electric locomotives, and this considerably stepped-up transportation through the tunnel. The article contains further details regarding the organization of the work. The average daily advance was 4.39 m. The average expenditure of compressed air in 2 sectors of the tunnel was 156.6 cubic meter per minute in sand, and 200 cubic meter per minute in sand and limestone. The pressure maintained was up to 0.5 atmosphere. The temperature in the tunnel was plus 16°C. Shields and floodgates of new construction in conjunction with a complex organization and mechanization of work will enable the achieving of a still higher speed in drifting. There are 2 drawings and 1 cyclogram.

AVAILABLE: Library of Congress

Card 2/2 1. Tunnels-Construction 2. Tunnels-USSR 3. Compressed air-Applications

KARASEV, N.F., inzh.; YAKOBS, V.V., inzh.

Constructing the Riga station subway line in Moscow. Transp.
stroil. 8 no. 6:11-15 Je '58. (MIRA 11:7)
(Moscow--Subways)

KARASEV, N.F., inzh.

Shaft sinking with downward lining. Shakht. stroi. no.7:22-24 '58.
(Shaft sinking) (MIRA 11:9)

KARASEV, N.F. inzh.

Tunnelmaking with use of reinforced concrete blocks. Shakht. stroi.
no.9:25-27 '58. (MIRA 11:10)
(Moscow--Tunnels) (Concrete blocks)

KARASEV, N.F., inzh.; YAKOBSON, I.M., inzh.

Constructing the second section of the Frunzensk line of the
Moscow subway. Transp.stroi. 9 no.2:30-34 F '59.
(MIRA 12:5)

(Moscow--Subways) (Tunneling)

SOV/118-59-2-6/26

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AUTHOR: Karasev, N.F., Engineer

TITLE: Tunnel Construction Using a Lightened Shield (Sooruzheniye tonnelya oblegchennym shchitom)

PERIODICAL: Mekhanizatsiya i avtomatizatsiya proizvodstva, 1959, Nr 2, pp 23-25 (USSR)

ABSTRACT: The article deals with the construction of the 5th section of the Moscow subway, where for the first time all operations have been mechanized, beginning with the crushing of the rock and ending with the loading of the excavated rock into trucks on the surface. The construction work was carried out by introducing complex mechanization, of which the basic parts consisted of a lightened shield with tube layer, an auxiliary carriage, a rock loading machine of the PPM-3 type, an inclined conveyer, a solution pressure pump and a pump for repeated control pressing. The equipment of the traveling bridge consists of a horizontal conveyer, a mechanism for the hoisting and

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KARASEV, N.F.

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PHASE I BOOK EXPLOITATION

SOV/2700

Karasev, Nikolay Fedorovich, V.G. Matsyuk, V.I. Razmerov,
P. A. Chasovitin, and N.Ye. Cherkasov

Novaya tekhnika v stroitel'stve tunney metropolitenov SSSR (New Techniques
in Subway Tunnel Construction in the USSR) Moscow, Transzheldorizdat, 1959.
139 p. 5,000 copies printed.

General Ed.: P.A. Chasovitin, Candidate of Technical Sciences; Ed.:
Ye.A. Velichkin, Engineer; Tech. Ed: P.A. Khitrov.

PURPOSE: The book is intended for subway construction workers.

COVERAGE: The authors discuss earth-moving equipment, mechanized tunnel shields,
and loading and hauling equipment for tunnel constructions. Also discussed
are tunnel constructions and methods of producing and assembling segments of
tunnel lining made from reinforced-concrete blocks or tubing. Modern methods
of constructing shafts, escalators, through and station tunnels, and means of
mechanizing individual construction operations are presented.

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New Techniques in Subway Tunnel (Cont.)

SOV/2700

The authors thank Academician A.I. Baryshnikov for suggestions. There are 25 references, all Soviet.

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Ch. I. Brief Review of the Development of Subway Tunnel Construction in the USSR	4
Ch. II. Surface Equipment and Operations in Subway Tunnel Construction	11
Ch. III. Mechanized Tunneling Shields	21
Ch. IV. Loading and Underground Transport of Rock	59
Ch. V. Precast Reinforced Concrete in Tunnel Construction	72

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New Techniques in Subway Tunnel (Cont.)

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Ch. VI. Methods of Constructing Shafts and Tunnels

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Ch. VII. Mechanization of Individual Construction Operations

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Bibliography Cited

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KARASEV, N.F., inzh.; YAKOBSON, I.M., inzh.

Using compressed air in tunneling. Transp.stroi. 10 no.1:
17-19 Ja '60. (MIRA 13:6)
(Moscow--Tunneling)
(Compressed air)

~~KARASEV, N.F.~~ inzh.

Rapid tunneling. Transp.stroi. 10 no.2:55-56 P '60.
(MIRA 13:5)

(California--Tunneling)

KARASEV, N.F., inzh.

Using open-cut methods in constructing two-lane tunnels. Transp.
stroil. 10 no.4:31-33 Ap '60. (MIRA 13:9)
(Tunneling)

KARASEV, N.F., inzh.

Shaft sinking using precast reinforced concrete jackets.
Transp.stroi. 10 no.8:15-18 Ag '60. (MIRA 13:8)
(Moscow—Subways) (Shaft sinking)

KARASEV, N.F., inzh.

Constructing shallow tunnels using heading machines. Transp.
stroi. ll no. 1:15-18 Ja '61. (MIRA 14:1)
(Tunneling) (Moscow—Subways)

KARASEV, N.F., inzh.

Waterproofing the precast reinforced concrete work of a running tunnel.
Transp.stroi. 11 no.4:23-25 Ap '61. (MIRA 14:5)
(Moscow—Subways) (Waterproofing)

KARASEV, N.P., inzh.

Shield tunneling in water-saturated sand. Transp. stroi. 12
no.6:21-24 Je '62. (MIRA 15:6)
(Moscow--Tunneling)

BORISENOK, G.V., inzh.; KARASEV, N.F., inzh.; MOLIVER, P.S., inzh.;
CHESNOKOV, A.S., inzh.

Rapid method of tunneling with ordinary shields. Transp.
stroi. 12 no.8:22-24 Ag '62. (MIRA 15:9)
(Moscow--Subways) (Tunneling)

KARASEV, N.F., inzh.; YAKOBSON, I.M., inzh.

Construction of the Kaluzhskiy line of the Moscow subway. Transp.
stroï. 12 no.11:26-29 N '62. (MIRA 15:12)
(Moscow—Subways)

KARASEV, N.F., inzh.

Cutting the tunnels of the Oktyabr'skaya Station. Transp.
stroi. 13 no.2:19-21 F '63. (MIRA 16:3)
(Moscow—Tunneling) (Moscow—Subways)

KARASEV, N.F., inzh.

Construction of a running tunnel using a rectangular shield
with sectional lining. Transp. stroi. 13 no.5:18-23 My '63.
(MIRA 16:7)

(Moscow—Subways—Design and construction)

KARASEV, N.F., inzh.

Sinking and recovery of metal piles. Transp. stroi. 12 no.1:
21-23 Ja '62. (MIRA 17:2)

KARASEV, N.F., inzh.

Construction of city traffic intersections. Transp. stroi.
12 no.3:22-26 Mr '62. (MIRA 16:11)

KARASEV, N.F. [Karasiou, M.F.]

Larval diphyllbothriasis of wild animals in the Berezina
State Preserve. Vestsi AN BSSR. Ser. biial. nav. no.4:130-
132 '62. (MIRA 17:8)

KARASEV, N.F., inzh.

Building shallow underpass tunnels under railroad lines. Transp.
stroi. 13 no.7:16-18 J1 '63. (MIRA 16:9)
(Tunneling)

PARASEV, N. F., inzh.

Open method of construction used for the Volkovsky Station.
Transpstoi 13 no. 11:21-23 N '63. (MIRA 17:5)

KARASEV, N.F., inzh.

Constructing assembly and disassembly shield chambers in loose rock.
Transp. strol. 14 no.2;21-24 F '64. (MIRA 17:4)

KARASEV, N.F., inzh.

Record sinking of a running tunnel in sand. Transp. stroi. 14 no.4:
16-19 Ap '64. (MIRA 17:9)

KARASEV, N.F., inzh.

Record tunnel driving of a Moscow Subway station. Transp. stroi.
14 no.8:18-20 Ag '64. (MIRA 18:1)

KARASEV, N.F., inzh.

Tunneling under railroad tracks. Transp. stroi. 14 no.11:
22-24 N '64. (MIRA 18:3)

KARASEV, N.F., inzh.

Construction of a new section of the Moscow subway. Transp.
stroi. 15 no.4:14-16. Ap '65. (MIRA 18:6)

KARASEV, N.F., inzh.

Practices in constructing a tunnel with a standard lining
using a mechanized shield. Transp. stroi. 15 no.6:17-19
Je '65. (MIRA 18:12)

KARASEV, N.F. [Kerasiou, N.F.]

Study of helminths of the raccoon dog in the Berezina State
Preserve. Vestnik AN BSSR. Ser. biol. nat. no. 124-127 '65.
(MIRA 18:5)

KARASKEV, N.I.

Calculating the dynamics of a two position control of industrial
units with self-rectification and transportation delay. Priboystroenie
no. 11810-1. N 164. (MIRA 1801)

IBIKUS, U.Yu.; KARASEV, N.I.; SHATOKHIN, V.N.

Transistor kipp oscillator. Priborostroenie no.2:30-31 F '63.
(MIRA 16:5)

(Oscillators, Transistor)

S/119/63/000/002/013/014
A004/A127

AUTHORS: Ibikus, U.Yu., Karasev, N.I., Shatokhin, V.N.

TITLE: Single flip-flop oscillator with crystal diodes

PERIODICAL: Priborostroyeniye, no. 2, 1963, 30 - 31

TEXT: The Laboratoriya avtomatizatsii teploenergeticheskikh ustanovok (Laboratory of Automation of Thermal-Power Stations) of the Karagandinskiy nauchno-issledovatel'skiy ugol'nyy institut (Karaganda Scientific Research Institute of Coal) has developed a simple and reliable single flip-flop oscillator with crystal diodes and electromagnetic relay, possessing a wide range of smooth setting of the switch-in and pulse periods. The single flip-flop oscillator is made of a d-c amplifier whose input is connected to an RC charging circuit with divider having an individual power supply. The authors present the single flip-flop oscillator block diagram and give a description of its design and operation. It is pointed out that this oscillator has very low power requirements and especially small overall dimensions. There is 1 figure.

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KARASEV, N.I.

Electronic time relay on semiconductor instruments with
delay for wearing-in and release. Nauch. trudy KNIUI no. 11:
240-242 '62. (MIRA 17:7)

IBIKUS, U.Yu.; KARASEV, N.I.; SHATOKHIN, V.N.; PARSHIN, Ye.V.

Automatic control of heating equipment without fans.
Nauch. trudy KNIUI no. 11:231-236 '62. (MIRA 17:7)

IBIKUS, U.Yu.; KARASEV, N.I.; SHATOKHIN, V.N.

Automatic condensation tap in heating equipment without fans.
Nauch. trudy KNIUI no. 11:236-240 '62. (MIRA 17:7)

KARASEV, N.I., inzh.

Stability of a pulse-duration system of the automatic control
of air temperature in a mine hoisting cage. Izv.vys.ucheb.zav.;
gor.zhur. 7 no.12:122-127 '64. (MIRA 18:2)

1. Karagandinskiy nauchno-issledovatel'skiy ugol'nyy institut.

IBIKUS, U.Yu.; KARASEV, N.I.

Dynamic characteristics of heating equipment without fans as a
system to regulate air temperature in a mine shaft. Ugol' 39 no.
2:49-54 F '64. (MIRA 17:3)

1. Karagandinskiy nauchno-issledovatel'skiy ugol'nyy institut.

IBIKUS, U.Yu.; KARASEV, N.I.

Possibility of a three-position control of the air temperature
in a cage shaft. Nauch. trudy KNIUI no.15:278-288 '64.
(MIRA 18:8)

KARASEV, N.I.

Experimental investigation of the dynamics of an air heater
without fans. Nauch. trudy KNIUI no.15:288-306 '64.

(MIRA 18:8)

ARSYUTKIN, N.V.; DANILENKO, S.P., Prinimali uchastiye; CHERNIY, B.P.;
KAZANTSEV, G.I.; KARASEV, N.N.; VOROB'YEV, G.P.

Automatic weighing of Dinas brick material. Ogneupory 25 no.11:497-
499 '60. (MIRA 13:12)

1. Pervoural'skiy dinasovyy zavod.
(Firebrick) (Weighing machines)

NOVIKOV, Aleksandr Stepanovich; GOSTEV, V.I., inzhener, retsenzent; KARASEV, N.P., inzhener, retsenzent; DLIN, A.M., redaktor; POPOLOV, Ya.N., redaktor izdatel'stva; MATVEYEVA, Ye.N., tekhnicheskii redaktor; UVAROVA, A.F., tekhnicheskii redaktor

[Organization and methods for controlling production quality in machine building] Organizatsiia i metody kontrolya kachestva produktsii v mashinostroenii. Pod red. A.M.Dlina. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1956. 165 p. (MLRA 9:12)
(Machinery industry—Quality control)

KARASEV, N.V.; YUSUPOV, K.S.

Disadvantages of the A-40 assembly for testing, completion, and
capital repairs of wells. Mash. i neft. obr. no.4:24 '65
(MIRA 18:5)

1. Trest "Bashzapadnefterazvedka".

KARASEV, Nikolay Yefimovich

[Electricity on the collective farm] Elektrichestvo v kolkhoze.
[Kuibyshev] Kuibyshevskoe kn-vo, 1955. 40 p. (MIRA 9:9)
(Electricity in agriculture)

SHASHKOV, Zosima Alekseyevich. Prinsipali uchastiye: ORLOV, D.A.;
KARASHEV, N.Ye.; RUMYANTSEV, S.M.; SVIRIDOV, A.A.. ALEKSEYEV,
V.I., red. izd-va; YERMAKOVA, T.T., tekhn. red.

[River transportation of the U.S.S.R. and prospects for its
development] Rechnoi transport RSFSR i perspektivy ego
razvitiia. Moskva, Izd-vo "Rechnoi transport," 1959. 134 p.
(MIRA 12:10)

(Inland water transportation)

KARASEV, N.Ye., mostovoy master; KABLOV, V.P., mostovoy master

The competition continues. Put' i put.khoz. 6 no.5:7 '62.
(MIRA 15:4)

1. Astrakhanskaya distantziya Privolozhskoy dorogi.
(Railroads--Employees)

KARASEV, O.I.

New data on oil and gas potentials of the Irkutsk amphitheater.
Geol. nef'ti i gaza 9 no.9:21-25 S '62. (MIRA 16:2)

1. Irkutskaya ekspeditsiya Gosudarstvennogo tresta po geologicheskim izyskaniyam na nef't' v Vostochnoy Sibiri.
(Irkutsk Province--Petroleum geology)

KARASEV, P.

[Perennial grasses; grassland farming in Kostroma Province]
Mnogoletnie travy; polevye travoseianie v Kostromskoi oblasti.
Izd.2., perer. i dop. Kostromskoe knizhnoe izd-vo, 1956. 110 p.
(Kostroma Province--Grasses) (MIRA 12:3)

CHICHIGIN, Vasilii Grigor'yevich; PRINTSEV, V.V., dotsent, retsenzent;
LAPIN, zasluzhennyi uchitel', retsenzent; STAL'KOV, G.A.,
retsenzent; ZETEL', S.I., dotsent, retsenzent; KARASKY, P.A.,
dotsent, retsenzent [deceased]; DUBNOV, Ia.S., prof., retsenzent
[deceased]; PAZEL'SKIY, S.V., red.; TATUBA, G.L., tekhn.red.

[Method for teaching geometry; plane geometry. Textbook for
high-school teachers] Metodika prepodavaniia geometrii; planimetriia.
Posobie dlia uchitelei srednei shkoly. Moskva, Gos.uchebno-pedagog.
izd-vo M-va prosv.RSFSR, 1959. 391 p. (MIRA 13:3)
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KARASEV, P.

Miraculous preparations. WFO 2 no.7:63 J1 '60. (MIRA 13:7)
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So: U-3566, 15 March 53, (Letopis 'Zhurnal 'nykh Statey, No. 13, 1949)

KARASEV, P. A.

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KARASEV, P. A.

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KARASEV, P.A., prof.; DYMKO, Ye.F., assistant

Effect of neurotropic substances on the bodies of sheep infected with brucellosis, in connection with the site of infection. Trudy AZVI 9:251-255 '56. (MIRA 15:4)

1. Iz kafedry patologicheskoy fiziologii (zav. kafedroy - doktor prof. P.A.Karasev) Alma-Atinskogo zooveterinarnogo instituta.
(Brucellosis in sheep) (Autonomic drugs)

KARASEV, P.A., prof.; DYMKO, Ye.F., kand.vet.nauk

Influence on healthy sheep of a biogenic stimulator prepared
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'57. (MIRA 12:8)

1. Iz kafedry patologicheskoy fiziologii (zav.kafedroy -
doktor prof. P.A.Karasev) Alma-Atinskogo zoovetinstituta.
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KARASEV, P.A., prof.; DYMKO, Ye.F., kand.vet.nauk

Clarification of the significance of sheep allergically reacting to brucellosis in the dynamics of the development of this disease in the economy. Trudy AZVI 10:375-378 '57. (MIRA 12:8)

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(Brucellosis in sheep)